ABSTRACT

A method and system for network communication are provided which uses existing or new Agent Communication Language (ACL) with Structured Query Language (SQL) as the constraint language and eXtensible Markup Language (XML) for syntax. A communications network includes a server software module adapted to communicate with a machine user; an ACL interpreter adapted to communicate with the server software module; and a file system adapted to communicate with the ACL interpreter. The machine user sends requests to the server software module using an ACL with SQL as a constraint language.